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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,225	09/13/2006	Eric Brown	P07921US01/BAS	8963
881 STITES & HAI	7590 10/08/200 RBISON PLLC	EXAMINER		
1199 NORTH I	FAIRFAX STREET		DEVI, SARVAMANGALA J N	
SUITE 900 ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
			1645	
			MAIL DATE	DELIVERY MODE
			10/08/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/553,225	BROWN ET AL.
Office Action Summary	Examiner	Art Unit
	S. Devi, Ph.D.	1645
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) ■ Responsive to communication(s) filed on <u>06/23</u> 2a) ■ This action is <b>FINAL</b> . 2b) ■ This 3) ■ Since this application is in condition for alloware closed in accordance with the practice under Expression in the practice of the p	action is non-final.	
Disposition of Claims		
4)  Claim(s) <u>1-27</u> is/are pending in the application 4a) Of the above claim(s) is/are withdray 5)  Claim(s) is/are allowed. 6)  Claim(s) is/are rejected. 7)  Claim(s) is/are objected to. 8)  Claim(s) <u>1-27</u> are subject to restriction and/or example.	wn from consideration.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the I drawing(s) be held in abeyance. See cion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal P 6)  Other:	ate

## Lack of Unity

- 1) Claims 1-27 are under prosecution.
- As provided in 37 CFR 1.475(a), a national stage application shall relate to one invention only or to a group of inventions so linked as to form a single general inventive concept ("requirement of unity of invention"). Where a group of inventions is claimed in a national stage application, the requirement of unity of invention shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features. The expression "special technical features" shall mean those technical features that define a contribution which each of the claimed inventions, considered as a whole, makes over the prior art.

The determination whether a group of inventions is so linked as to form a single general inventive concept shall be made without regard to whether the inventions are claimed in separate claims or as alternatives within a single claim. See 37 CFR 1.475(e).

- 3) As provided in 37 CFR 1.475(b), a national stage application containing claims to different categories of invention will be considered to have unity of invention if the claims are drawn only to one of the following combinations of categories:
  - (1) A product and a process specially adapted for the manufacture of said product; or
  - (2) A product and process of use of said product; or
- (3) A product, a process specially adapted for the manufacture of the said product, and a use of the said product; or
- (4) A process and an apparatus or means specifically designed for carrying out the said process; or
- (5) A product, a process specially adapted for the manufacture of the said product, and an apparatus or means specifically designed for carrying out the said process.

Otherwise, unity of invention might not be present. See 37 CFR 1.475(c).

4) Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

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- I. Claims 1-5, 9, 14, 15 and 20, drawn to an isolated C3 binding region from the *S. aureus* Efb protein having the ability to inhibit complement activation, and a composition, vaccine and a kit comprising the same.
- II. Claims 6-8 and 11, drawn to an isolated antibody that recognizes the C3 binding region from the *S. aureus* Efb protein, and a composition and a kit comprising the same.
- III. Claim 10, drawn to a method of diagnosing an *S. aureus* infection using the antibody of invention II.
- IV. Claims 12, 16-19, 21, 22, and 25-27, drawn to a method of inducing an immunological response and a method of inhibiting complement activity by administering an isolated C3 binding region from the *S. aureus* Efb protein.
- V. Claim 13, drawn to an isolated nucleic acid coding for the C3 binding region from the *S. aureus Efb* protein.
- VI. Claim 23, drawn to a method of reducing the induction of complement activation by a prosthetic tissue or organ transplant by coating the implant with an Efb protein or the C3 binding region of the same.
- VII. Claim 24, drawn to a method of inducing an immunological response by administering the C3 binding region of the *Staphylococcus epidermidis* Efb protein.
- because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons. The special technical feature of the first claimed invention is an isolated C3 binding region from the *S. aureus* Efb protein having the ability to inhibit complement activation. However, such a product was already disclosed in the art at the time of the invention. For example, Boden *et al.* (*Mol. Microbiol.* 12: 599-606, 1994 Applicants' IDS) taught the C-terminal half of the 19 kDa recombinant Fib protein of S. *aureus*, i.e., the C3 binding region from the *S. aureus* Efb protein. Therefore, the special technical feature of invention I does not define over the prior art. Although the product of invention I, and the first method of using the product of invention IV is a permitted combination under PCT Rule 13.2, in the instant case, since the product of invention I is

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already disclosed in the art, the special technical feature is not a unifying feature. The special technical features of inventions II, III and V-VIII are delineated above. The antibody of invention II and the nucleic acid products of invention V do not share a significant common structure with the protein of invention I. The methods of inventions III, IV, VI and VII do not share significant methods steps and parameters, method objectives, products or reagents used, and/or ultimate goals accomplished.

6) The Office has required restriction between product and process claims. Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder. All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. *Failure to do so may result in a loss of the right to rejoinder*. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Papers related to this application may be submitted to Group 1600, AU 1645 by facsimile transmission. The Fax number for submission of amendments, responses and/or papers is (571) 273-8300, which receives transmissions 24 hours a day and 7 days a week. The transmission of such papers by facsimile must conform to the notice published in the Official Gazette, 1096 OG 30, November 15, 1989.

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8) Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAG or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR system,

see http://pair-direct.uspto.Mov. Should you have questions on access to the Private PAA system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like

assistance from a USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (in USA and CANADA) or 571-272-1000.

9) Any inquiry concerning this communication or earlier communications from the Examiner

should be directed to S. Devi, Ph.D., whose telephone number is (571) 272-0854. A message may

be left on the Examiner's voice mail system. The Examiner can normally be reached on Monday to

Friday from 7.15 a.m. to 4.15 p.m. except one day each bi-week, which would be disclosed on the

Examiner's voice mail system.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor,

Robert Mondesi, can be reached on (571) 272-0956.

/S. Devi/

S. Devi, Ph.D.

**Primary Examiner** 

AU 1645

October, 2008

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